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Digitalization Impact on Range of Foreign Language Competence Skills in the Framework of University Learners Professional Training

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Abstract. Language is a fundamental component of human development and the educational process. In contemporary times, technology has emerged as a significant influence on education. This study seeks to explore the impact of technology on enhancing language skills within educational settings. Employing a qualitative methodology, this research will conduct a literature review, which entails analyzing and interpreting data through various informational and textual sources. The data analysis methods will include content analysis to uncover patterns and themes within the literature, thematic analysis to comprehend the underlying framework, coding for data categorization, constant comparative analysis for data comparison, synthesis of findings, and triangulation to ensure the validity of the analytical results. The findings indicate that technology is crucial in advancing language proficiency in education. In the digital age, increased access to learning resources, technology-driven learning applications, adaptive learning methods, and the integration of technology in classrooms have created significant opportunities for students to enhance their language skills. This study explores the influence of digital platforms on the development of the English language, emphasizing the effects of various online communication methods – from conventional texts to contemporary tweets – on linguistic practices. The advent of digital media has led to swift and notable transformations in English, propelled by innovative communication and interaction methods. Through a comprehensive literature review, analysis of digital communication trends, and case studies of particular platforms, this study underscores how digital media shape modern English usage and provides insights into the broader consequences for language evolution and education. Considering the mentioned above actuality of the ongoing research the purpose of the article is to emphasise five skills of foreign language competence such as: technological proficiency skills; digital communication and team collaboration skills; emotional intelligence (EQ) skills; continuous learning and development skills as well as adaptability and learnability skills acquisition of which will improve university learners' future professional competence and labour competitiveness on the market.

Key words: digital age, social media, technology, language change, digital literacy, foreign language competence, English skills, advancement.

Вплив діджиталізації на спектр вмінь англomовної компетентності студентів закладів вищої освіти в рамках професійної підготовки

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Анотація. Мова є фундаментальною складовою розвитку людини та освітнього процесу. У сучасний час технології здійснюють суттєвий вплив на освіту. Це дослідження має на меті розглянути вплив технологій на вдосконалення мовних навичок у здобувачів вищої освіти. Використовуючи якісну методологію, у рамках дослідження проведе огляд літератури, що передбачає аналіз та інтерпретацію даних за допомогою різних інформаційних і текстових джерел. Методи аналізу даних включатимуть аналіз контенту для виявлення закономірностей і тем у літературі, тематичний аналіз для розуміння основної структури, кодування для категоризації даних, постійний порівняльний аналіз для порівняння даних, синтез результатів і триангуляцію для забезпечення достовірності аналітичних результатів. Отримані результати показують, що технологія має вирішальне значення для підвищення рівня володіння мовою в освіті. У цифрову епоху розширення доступу до навчальних ресурсів, технологічних програм для навчання, адаптивних методів навчання та інтеграція технологій у класних кімнатах створили значні можливості для студентів покращити свої мовні навички. Це дослідження демонструє вплив цифрових платформ на розвиток англійської мови, наголошуючи на впливі

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різних методів онлайн-комунікації – від звичайних текстів до сучасних твітів – на мовну практику. Поява цифрових засобів масової інформації призвела до швидких і помітних трансформацій в англійській мові, спричинених інноваційними методами спілкування та взаємодії. Завдяки всебічному огляду літератури, аналізу тенденцій цифрової комунікації та тематичним дослідженням конкретних платформ це дослідження підкреслює, як цифрові медіа формують сучасне використання англійської мови, і дає уявлення про ширші наслідки розвитку мови та освіти. Враховуючи зазначену вище актуальність дослідження метою статті є акцентування уваги на п'яти навичках іншомовної компетенції, таких як: навички технологічного володіння; навички цифрового спілкування та командної співпраці; навички емоційного інтелекту (EQ); навички безперервного навчання та розвитку, а також навички адаптивності та здатності до навчання, набуття яких покращить майбутню професійну компетентність студентів університету та конкурентоспроможність їхньої праці на ринку.

Ключові слова: цифрова ера, соціальні медіа, технології, зміна мови, цифрова грамотність, іноземна мовна компетенція, навички англійської мови, прогресування.

I Introduction

Foreign language skills significantly influence both our personal and professional spheres, promoting the cultivation of a global citizenship mindset and associated values, while also enhancing creativity and problem-solving abilities. These skills represent a fundamental competency for the 21st century, encompassing social, global, and informational dimensions. In an increasingly globalized and interconnected environment, the ability to communicate effectively with speakers of other languages is crucial. Proficiency in foreign languages enables individuals to access a wider array of educational resources and information, leading to a more comprehensive and nuanced skill set and perspective.

In an era marked by misinformation, sensationalism, and alternative narratives in news and social media, the capacity to engage with international news sources in their original languages underscores the critical importance of foreign language skills as a paramount competency of our time. These skills serve not only as personal and professional assets but also as vital social and global competencies. While achieving fluency is an admirable objective, even possessing basic communication skills can distinguish a foreign language learner in a competitive job market (Adams, J. M., & Carfagna, A., 2021).

Acquiring proficiency in foreign languages and understanding diverse cultures yields significant cognitive, social, and cultural advantages. Research indicates that learning a foreign language is associated with enhanced performance on standardized assessments, and consistent engagement with another language may delay the onset of dementia. The social advantages encompass the capacity to communicate effectively with individuals both locally and internationally. Culturally, this proficiency allows for a deeper appreciation of literature, music, films, and popular media in their original languages.

Furthermore, multilingualism has been correlated with increased creativity and improved problem-solving abilities. Additionally, the experience of studying and traveling abroad can be more accessible and enriching for those who possess foreign language skills (American Councils on International Education, 2021).

Language serves as a vital tool that influences an individual's perception of the world. Gaining an understanding of the meanings behind the words used by others provides profound insights into cultural variances. Language not only articulates but also constrains our perceptions.

Acquiring a new language presents an alternative perspective on the world. The Many Languages One World Essay Contest and Global Youth Forum (MLOW) exemplifies the importance of multilingualism as a global competency and its contribution to fostering a mindset and skills associated with global citizenship. By utilizing multilingualism, this initiative unites young individuals from diverse backgrounds to engage in discussions on intricate global challenges and collaborate in formulating effective action plans to tackle these issues (Anthony P., Smith N., Strohl J., 2021).

Considering the mentioned above actuality of the ongoing research the purpose of the article is to emphasise five skills of foreign language competence such as: technological proficiency skills; digital communication and team collaboration skills; emotional intelligence (EQ) skills; continuous learning and development skills as well as adaptability and learnability skills acquisition of which will improve university learners' future professional competence and labour competitiveness on the market.

II Materials and Methods

This research constitutes a qualitative literature review, aimed at analyzing and clarifying information by utilizing texts and data obtained from diverse sources. The primary objective of this qualitative literature review is to gather, assess, and synthesize the existing body of knowledge related to the specific topic of interest, namely the impact of technology on the enhancement of language skills in educational settings. Data will be sourced from a variety of pertinent materials, including academic journals, books, research reports, and other scholarly articles, covering the period from 2021 to 2023. This timeframe enables the researcher to track the developments, trends, and transformations that have occurred within this domain. A total of 14 articles were collected, all of which are pertinent to the research topic under consideration (Carnevale, A., Smith, N., 2021).

A significant benefit of utilizing a qualitative literature review lies in its flexibility to analyze and articulate intricate phenomena, as it is not limited by numerical or statistical parameters. This approach enables researchers to acquire deep insights into the progression of the subject matter over time, as well as the evolution of concepts and viewpoints related to the topic throughout the years. In this research project, it is essential to assess the reliability and credibility of the sources employed, while also critically examining the information collected.

When adopting a qualitative methodology, the researcher must skillfully present findings with both objectivity and introspection, provide clear and accurate interpretations, and recognize the limitations inherent in the methodologies and data sources utilized. Within this qualitative literature review framework, various data analysis techniques can be employed. These techniques include content analysis to discern patterns and themes within the literature, thematic analysis to comprehend the underlying framework, coding to organize the data, constant comparative analysis to juxtapose the data, synthesis of findings, and triangulation to corroborate the results of the analysis.

The researcher will apply these techniques to explore the impact of technology on enhancing language skills in education and to identify patterns, trends, and themes present in the literature. The application of these data analysis techniques will yield a comprehensive understanding of the subject's evolution throughout the research period (Cialdini, R., 2020).

Demographers have forecasted that the first individual to reach the age of 150 has already been born. This suggests that children currently entering the education system may become the first generation to experience careers lasting a century.

The rapid advancement of technology, combined with this anticipated increase in lifespan, indicates that the skills and knowledge acquired during childhood, or a degree obtained in one's twenties, will not suffice for long-term success. Globally, organizations are already encountering difficulties in finding suitable candidates to fill job openings and in accurately assessing the skills of these applicants. Job seekers often find themselves either overqualified, lacking essential skills, or both. They frequently do not possess the relevant competencies for the positions advertised and struggle to effectively articulate the skills they do have (Carnevale, A., Smith, N., 2021).

Concurrently, technological progress and globalization are exacerbating social, economic, and environmental issues. Alongside our aging populations, we are also confronted with growing inequality and political instability. Recognizing the significance of context, we at Pearson have undertaken an exploration of how these factors influence work and education.

Through our Future of Skills research, conducted in collaboration with Nesta and the Oxford Martin School, we discovered that, contrary to the pessimistic narratives surrounding automation and job loss, it is the very qualities that define our humanity that will enhance our employability.

In general, the skills anticipated to be most sought after in the future can be categorized into three main areas:

1. The ability to teach and learn, both personally and in relation to others
2. Comprehending systems, whether they pertain to human interactions or the relationship between humans and machines
3. Creativity, encompassing originality and the capacity to generate innovative ideas.

It is essential to recognize that the job titles we currently hold and the industries in which we are employed are unlikely to undergo significant changes compared to those we are familiar with today. Nevertheless, the emergence of artificial intelligence and automation will necessitate the acquisition of new skills to thrive in these positions (Barack, L., 2024).

Moreover, the journey to achieving stable employment will not follow a straightforward path. Rather than a single job serving as a final career goal, individuals will increasingly engage in gig work, freelancing, and diversifying their professional activities. In the evolving talent economy, the emphasis will shift towards the knowledge and skills acquired throughout one's career, rather than solely on a degree obtained immediately after formal education.

This presents an opportunity to redefine job roles and reconsider educational approaches, ensuring that both ourselves and future generations are equipped with the essential human skills for success. Sustaining a career will demand a commitment to lifelong learning and the continuous development of new competencies.

Establishing a shared understanding of the skills required for employability is a crucial initial step. This document aims to delineate the factors that contribute to an individual's employability and provide actionable recommendations for educators, learners, and employers to advance the necessary skills for the future workforce (Barack, L., 2024).

III Results

In the rapidly changing digital landscape, technology assumes a crucial role in enhancing language skills within educational settings. The significance of technology in language education can be examined through several interconnected aspects. Primarily, technology offers broader and more adaptable access to a variety of learning materials. With the internet and numerous technology-driven learning platforms, students can engage with an array of resources, including texts, videos, and interactive applications, all available in multiple languages. This accessibility presents significant opportunities for students to enrich their understanding and language proficiency without being hindered by geographical or physical limitations. Furthermore, language learning applications specifically designed to enhance language skills, such as Duolingo, Memrise, and Rosetta Stone, create an environment that emphasizes pronunciation, vocabulary, grammar, and practical communication (Carnevale A., Smith, N., 2024).

Beyond its contribution to language development, technology also aids in the comprehension of the cultural contexts associated with the language. Through diverse media, including videos, music, and other multimedia content available via technology, students can gain insights into and immerse themselves in the culture of the language they are learning. This not only provides a deeper understanding of the cultural nuances linked to the language but also allows students to experience and internalize more profound meanings within that cultural framework.

Therefore, technology not only grants access to language learning resources but also assists students in connecting with the cultural elements that shape and enrich the language.

Technological Proficiency Skills of Foreign Language Competence (Fig. 1).

In the contemporary landscape, digital literacy and technological expertise stand out as essential leadership competencies. In the past, leaders could depend on the IT department to integrate the latest technologies into their business processes. However, current leaders must possess a deep understanding of the technologies employed within their organizations and the rationale for their use.

Professionals can cultivate technology skills, which are essential competencies that enable them to manage various digitally mediated elements of their positions. In contemporary careers, technology plays a crucial role, as it allows individuals to execute specific job functions with greater efficiency and autonomy.

Enhancing these skills may enhance a candidate's prospects for advancement and bolster their overall job stability. Acquiring technology skills also showcases an individual's capacity to assimilate new information swiftly and navigate intricate processes, such as executing projects with particular software applications or utilizing specialized machinery.

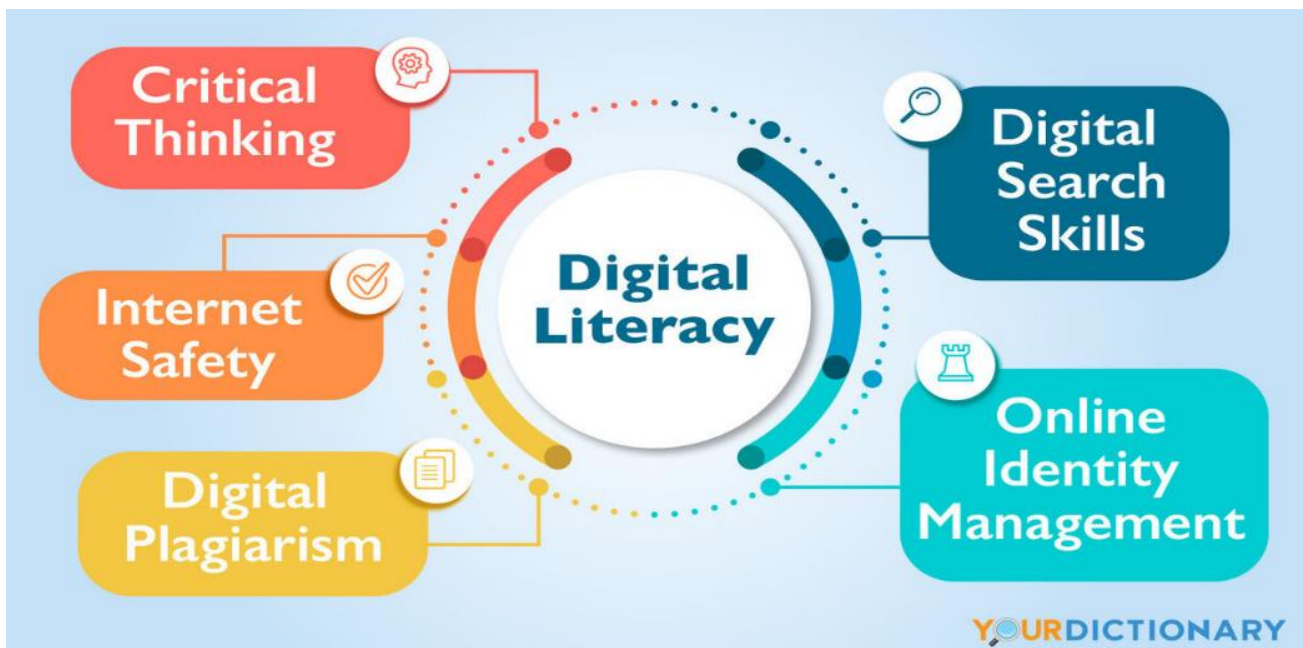


Fig. 1. Digital Literacy Skills of Foreign Language Competence

Digital Communication and Team Collaboration Skills of Foreign Language Competence (Fig. 2). Modern leaders must adeptly navigate digital communication and collaboration tools, whether managing a remote workforce or optimizing operations in a physical office environment. By effectively utilizing leading digital communication platforms, such as videoconferencing applications, cloud-based collaboration solutions, and intranet systems, leaders can enhance engagement among virtual teams and significantly improve productivity.



Fig. 2. Digital Communication and Team Collaboration Skills of Foreign Language Competence

Emotional Intelligence (EQ) Skills of Foreign Language Competence (Fig. 3).

Emotional intelligence in leadership has never been more essential, particularly in a business climate where organizations are striving to balance the emotional well-being of their workforce with the rigorous demands of the modern era. Emotionally aware leaders are those who recognize the feelings of others and lead with empathy.



Fig. 3. Emotional Intelligence (EQ) Skills of Foreign Language Competence

Continuous Learning and Development Skills of Foreign Language Competence (Fig. 4). In the digital age, the pursuit of upskilling is facilitated by ongoing learning and development opportunities, a significant number of which are conducted online. Leaders not only invest in these programs for their own growth but also motivate their team members to engage with these valuable resources.

The Benefits of Continuous Learning and Development

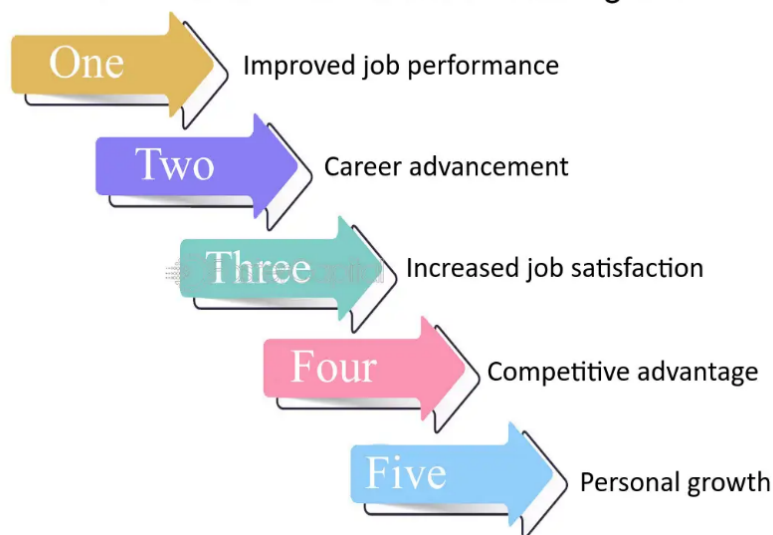


Fig. 4. Continuous Learning and Development Skills of Foreign Language Competence

Adaptability and Learnability Skills of Foreign Language Competence (Fig. 5).

In a time characterized by constant change, the ability to adapt and learn is crucial for ensuring the longevity of one's career. The World Economic Forum forecasts that by 2022, around 42% of the fundamental skills necessary for current positions will experience significant changes. Cultivating a mindset focused on lifelong learning, demonstrating flexibility in adopting new tools and methodologies, and possessing the capacity to unlearn and relearn will be essential for achieving success in the rapidly changing digital environment (Xiao, Y., & Zhi, Y., 2023).

Continuous Learning and Adaptability

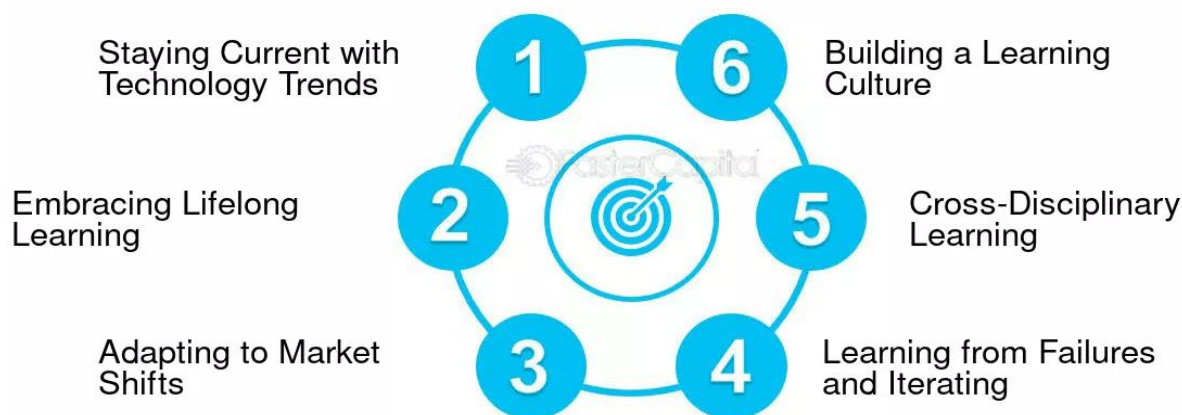


Fig. 5. Adaptability and Learnability Skills of Foreign Language Competence

IV Discussion

Technology is essential in the field of education, particularly in enhancing access to a diverse array of learning materials in multiple languages. The emergence of the internet has enabled students and learners to easily navigate a vast selection of resources, including books, articles, videos, and lessons available in various languages. This accessibility not only fosters a deeper comprehension and improvement of language skills but also encourages significant cultural and linguistic enrichment. Furthermore, there are numerous technology-driven learning applications and platforms dedicated to enhancing language proficiency (Carnevale A., Smith, N., 2024).

These applications offer exercises that cover pronunciation, vocabulary, grammar, and everyday communication, with popular examples such as Duolingo, Memrise, and Rosetta Stone, allowing learners to refine their language abilities autonomously. Beyond providing broader access, technology also promotes a more personalized and interactive educational experience. In a technology-enhanced learning environment, students can determine their own pace, concentrate on areas requiring the most attention, and receive immediate feedback. Additionally, technology facilitates collaborative and remote learning, expanding the horizons of global education and enabling students to engage with peers from various countries. By playing a pivotal role in education, technology continues to equip students with the necessary skills to face future challenges and cultivate essential language competencies in an increasingly globalized world (Carnevale A., Smith, N., 2024).

In addition to its fundamental function of offering extensive access to language learning materials, technology significantly contributes to enhancing students' comprehension of the cultural dimensions associated with the languages they study (King, M., 2021).

By utilizing various media forms, including videos, music, and other multimedia resources, students can immerse themselves in the culture of the language they are learning. This cultural exposure not only aids in grasping the language itself but also fosters a more profound understanding of the social and cultural contexts in which the language is utilized. Consequently, technology serves a vital role in facilitating the development of language skills while simultaneously encouraging exploration of the cultural elements linked to the language, thereby enriching the overall learning experience for students. Beyond cultural awareness, technology also offers essential tools for enhancing students' spelling and grammar proficiency. Applications and software like Grammarly enable students to refine their spelling and grammar skills efficiently. Furthermore, technology-driven learning platforms can automatically detect individual language weaknesses and provide tailored exercises to assist in improvement (King, M., 2021).

With the aid of technology, students can not only acquire languages more effortlessly but also engage in

a personalized and effective learning process. Therefore, technology not only facilitates language instruction but also guides students toward a more comprehensive understanding and mastery of language skills.

The significant contributions of technology to enhancing language proficiency in education highlight its essential role in the language acquisition process. However, it is crucial to recognize that technology serves merely as one instrument within the broader educational framework, with motivation and self-discipline being the primary determinants of achieving high levels of language proficiency (King, M., 2021).

Thus far, technology has facilitated a more interactive and personalized approach to language learning, granting students extensive access to educational resources and expanding their understanding of the cultural contexts associated with languages.

Nevertheless, the ultimate attainment of language proficiency is contingent upon the individual's commitment and sincerity in engaging with the learning process. The necessity for judicious and contextually appropriate use of technology in education cannot be overlooked. In this regard, prioritizing the effective integration of technology into the curriculum and learning activities is essential. Students should be encouraged to utilize technology as a valuable educational resource rather than merely a source of entertainment. This can be accomplished through thoughtful guidance and oversight, alongside fostering a sense of individual accountability in crafting their own learning experiences. By doing so, technology can continue to serve as a formidable ally in advancing language skills, while acknowledging the critical importance of personal motivation and dedication throughout the educational journey.

V Conclusion

The digital era has significantly altered the development of English vocabulary, largely influenced by the omnipresence of social media and technological advancements. The swift emergence and spread of new words, along with the modification of existing ones, illustrate the ever-evolving character of language within a digital framework.

Social media platforms play a pivotal role in influencing linguistic trends, while technological progress consistently brings forth specialized vocabulary. The rise of neologisms, the incorporation of loanwords, and the prevalent use of abbreviations and acronyms highlight the adaptability of language as it responds to novel communication methods.

These transformations carry important consequences for language learning and digital literacy, underscoring the necessity for continual adaptation in educational methodologies and linguistic studies. As language progresses in reaction to technological and cultural changes, comprehending these trends provides essential insights into the future direction of English and its significance in an increasingly dynamic environment.

To fully leverage technology's potential in enhancing language skills within the educational sector, several critical measures must be implemented. First and foremost, educational institutions should strive for a more comprehensive integration of technology into their curricula. This may involve the creation of detailed technology-driven learning modules that offer students a variety of language experiences.

Additionally, it is essential to prioritize teacher training focused on the application of technology in language instruction. Educators must receive sufficient training and resources to effectively incorporate technology into their teaching practices, thereby fostering an engaging and productive learning atmosphere (Xiao, Y., & Zhi, Y., 2023).

Moreover, these initiatives must be complemented by efforts to ensure equitable access to technology and the internet. Addressing the existing digital divide is crucial to guarantee that all students have the same opportunities to benefit from technological advancements in their education. Furthermore, it is vital to implement careful oversight of technology usage in educational settings. This will help ensure that students utilize their devices not merely for entertainment but also for meaningful learning experiences.

In addition, motivating students and highlighting the significance of self-discipline in technology use is essential. Students should be made aware that technology serves as a tool to help them achieve their educational objectives, and they bear personal responsibility for its effective utilization. By adopting a thoughtful approach and providing the necessary support, we can effectively harness technology's capabilities to improve language skills in education, equipping students to tackle the global challenges that lie ahead.

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